

BI
and
F

a second means for generating a second synchronized word detecting window, which covers the position of the synchronized word and is within the same time period as the first synchronized word detecting window;

a means for detecting the synchronized word in the first or second synchronized word detecting window; and

a control means for resetting the position of the second synchronized word detecting window as related to the first synchronized word detecting window under a predetermined condition.

BZ

9.(amended) A synchronization protecting and setting method for signals received in a radio base station comprising the steps of:

generating a first synchronized word detecting window, which covers a position of a synchronized word provided in a reception signal received at the radio base station;

XD

generating a second synchronized word detecting window, which covers the position of the synchronized word and is within the same time period as the first synchronized word detecting window;

detecting the synchronized word in the first or second synchronized word detecting window; and

resetting the position of the second synchronized word detecting window as related to the first synchronized word detecting window under a predetermined condition.

10.(amended) A synchronization apparatus provided in a radio base station comprising:

BB
cont
FJ
a first window generator for generating a first synchronized word detecting window, which covers a position of a synchronized word provided in a reception signal received at the radio base station;

a synchronized word detector for detecting a synchronized word present in a received signal within the first synchronized word detecting window and outputting a synchronized word detecting pulse;

a second window generator for generating a second synchronized word detecting window, which covers the position of the synchronized word detected by the synchronized word detector as is within the same time period as the first synchronized word detecting window;

a pulse generator for outputting a detecting pulse according to an AND condition of the synchronized word detecting pulse and the second synchronized word detecting window;

and

a register for resetting the position of the second synchronized word detecting window as related to the first synchronized word detecting window under a predetermined condition.

Please add the following new claim:

BB
CN
FJ
11.(NEW) A synchronization protecting and setting method for signals received in a radio base station comprising the steps of:

detecting a synchronized word in a first synchronized word detecting window;

detecting the synchronized word in a second synchronized word detecting window, which is narrower than the first synchronized word detecting window;

shifting position of the second synchronized word detecting window; and

PH

cont

detecting a next synchronized word in the shifted second synchronized word

detecting window.